

19-7784



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

HT-500-CWA
Job Sheet 185927



Part No: HT-500-CWA

Job Qty: 1 pcs

Part Name: Series 500 Compressor Wash System with Auxiliary Air Tank



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/6/18

Job Tracking No:

Due Date: 3/4/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG HT-500-CWA Rev. 10 IPP Rev. A 18.05.10 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1 pcs		3/4/19	0.00	0.00	Purchasing - 1		DP MAR 12 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	1 pcs		3/4/19	0.00	0.00	Packaging 2 - 1 - B4B		DP MAR 12 2019
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		
							Packaging 2 - 28 - B4B		



Container No: S161698



Part: HT-500-CWA

Job No: 185927

Serial No/Batch: S161698

Revision: 10

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/12/19

Plex 2/19/19 1:58 PM Dart.Hadley.Shannon

P.T.O.

					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
120 QC 6	1 pcs	3/4/19	0.00 0.00	QC 6 - 42		
				QC 6 - 9		
				QC 6 - 68		MAR 15 2019
				QC 6 - 61		DAS 68 9-89
121 Small Fab - 2 - B4B	1 pcs	3/4/19	0.00 0.10	Small Fab - 1 - B4B		
				Small Fab - 2 - B4B		
				Small Fab - 3 - B4B		
				Small Fab - 4 - B4B		
				Small Fab - 5 - B4B		
				Small Fab - 6 - B4B		
				Small Fab - 7 - B4B		
122 QC 5	1 pcs	3/4/19	0.00 0.00	QC 5 - 10		
				QC 5 - 12		
				QC 5 - 17		
				QC 5 - 18		
				QC 5 - 19		
				QC 5 - 22		
				QC 5 - 24		
				QC 5 - 3		
				QC 5 - 42		
				QC 5 - 43		
				QC 5 - 49		
				QC 5 - 51		
				QC 5 - 58		
				QC 5 - 68		MAR 21 2019
				QC 5 - 9		DAS 68 9-89
				QC 5 - 50		
				QC 5 - 30		
123 DC - 1 - B4B	1 pcs	3/4/19	0.00 0.00	DC - 1 - B4B		
				DC - 2 - B4B		
130 Packaging 3-1 - Stock - B4B	1 pcs	3/4/19	0.00 0.00	Packaging 3 - 1 - B4B		
				Packaging 3 - 2 - B4B		
				Packaging 3 - 3 - B4B		
				Packaging 3 - 4 - B4B		
				Packaging 3 - 5 - B4B		
				Packaging 3 - 6 - B4B		
				Packaging 3 - 7 - B4B		
				Packaging 3 - 8 - B4B		
				Packaging 3 - 9 - B4B		
				Packaging 3 - 10 - B4B		
				Packaging 3 - 11 - B4B		
				Packaging 3 - 12 - B4B		
				Packaging 3 - 13 - B4B		
				Packaging 3 - 14 - B4B		
				Packaging 3 - 15 - B4B		
				Packaging 3 - 16 - B4B		
				Packaging 3 - 17 - B4B		
				Packaging 3 - 18 - B4B		
				Packaging 3 - 19 - B4B		
				Packaging 3 - 20 - B4B		
				Packaging 3 - 21 - B4B		

					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
					QC 21 - FG - 21	DAG
					QC 21 - FG - 70	21
					QC 21 - FG - 53	9-55
140 QC 21 - FG	1 pcs	3/4/19	0.00	0.00		

Part Op **100** - Purchasing 1-Issue P/O METEC : _____ MANUFACTURE HT-500-CWA AS PER DWG 2-DART to supply
 Descriptions: decals -010P-70A and -010P-70B 3-DART to supply HT-500-CWA-010P-04 and HT-500-CWA-010P-05 control panel
 Certificate of conformity is required

110 - Receive & Inspect for Damage & Mat'l Certs

120 - QC6- All purchased or subcontracted products

121 - Small Fab - 1-Engrave P/N and S/N on placard using MARKTRONIC engraver. 2-Using double sided tape install placard on inside of lid.

122 - QC5- Inspect part completeness to step on W/O

123 - Document Control - Supply HT-500-CWA Customer packet

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

PO Details

Metec Metal Technology Inc. (mem001-vc)



PO No: PO041501

Line No: 4

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
HT-500-CWA-010P-05	Control Panel	1 pcs (1 ea)	100-Purchasing	5154407
HT-500-CWA-010P-70A	Wash Emblem	1 pcs (1 ea)	100-Purchasing	5150992
HT-500-CWA-010P-70B	Rinse Emblem	1 pcs (1 ea)	100-Purchasing	5151002
HT-500-CWAP	Series 500 Compressor Wash System with Auxiliary Air Tank	1 Ea (1 ea)	100-Purchasing	5161677
RB41011	Dart Tooling Placard, Aluminum	1 Ea (1 ea)	121-Small Fab - 2 - B4B	5021040

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	HT-500-CWA-010P-05	1	9	0
	HT-500-CWA-010P-70A	1	16	1
	Allocated Container Detail			
	Qty	Container No	Location	Init
	1	S153853	ga091	_____
	HT-500-CWA-010P-70B	1	16	1
	Allocated Container Detail			
	Qty	Container No	Location	Init
	1	S153854	ga091	_____
	HT-500-CWAP	1	0	0
121-Small Fab - 2 - B4B	RB41011	1	416	0
Part Specifications				
Specifications could not be found.				

Plex 2/19/19 1:58 PM Dart.Hadley.Shannon



Dart Aerospace Ltd.
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Hawkesbury, ON
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Canada

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HT-500-CWA
Job Sheet 185927



Part No: HT-500-CWA

Job Qty: 1 ea

Part Name: Series 500 Compressor Wash System with Auxiliary Air Tank



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/6/18

Job Tracking No:

Due Date: 2/18/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG HT-500-CWA Rev. 10 IPP Rev. A 18.05.10 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1 pcs		2/18/19	0.00	0.00	Purchasing		
110	Packaging	1 pcs		2/18/19	0.00	0.00	Packaging2		
120	QC	1 pcs		2/18/19	0.00	0.00	QC6		
121	Small Fab	1 pcs		2/18/19	0.00	0.10	Small Fab-4		
122	QC	1 pcs		2/18/19	0.00	0.00	QC5		
123	DC	1 pcs		2/18/19	0.00	0.00	DC		
130	Packaging	1 pcs		2/18/19	0.00	0.00	Packaging3		
140	QC21-FG	1 Ea		2/18/19	0.00	0.00	QC21		

Part Op 100 - 1-Issue P/O: 04401 MANUFACTURE HT-500-CWA AS PER DWG Supplier: METEC 2-DART to supply Descriptions: decals -010P-70A and -010P-70B 3-DART to supply -010P-05 control panel Certificate of conformity is required
121 - 1-Engrave P/N and S/N on placard using MARKTRONIC engraver. 2-Using double sided tape install placard on inside of lid.
123 - Supply HT-500-CWA Customer packet

NOV 06, 2018 x1

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
HT-500-CWA-010P-05	Control Panel	1 Ea (1 ea)	100-Purchasing	5154407
HT-500-CWA-010P-70A	Wash Emblem	1 Ea (1 ea)	100-Purchasing	5150992
HT-500-CWA-010P-70B	Rinse Emblem	1 Ea (1 ea)	100-Purchasing	5151002
HT-500-CWAP	Series 500 Compressor Wash System with Auxiliary Air Tank	1 Ea (1 ea)	100-Purchasing	
RB41011	Dart Tooling Placard, Aluminum	1 Ea (1 ea)	121-Small Fab	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	HT-500-CWA-010P-05	1	4	0
	HT-500-CWA-010P-70A	1	3	0
	HT-500-CWA-010P-70B	1	3	0
	HT-500-CWAP	1	3	0
	RB41011	1	709	0
121-Small Fab				

Part Specifications

Specifications could not be found.

Plex 11/6/18 4:41 PM dart.Lussier.Patrick



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO041501

Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

PO No:	PO041501
PO Date:	10/29/18
Due Date:	2/18/19
Purchase Order Revision:	
Revision Date:	
Ship-To Contact:	Lussier, PatrickPhone:

Attention: Walz, Shigi

Via:	Ground
Pymt Terms:	Net 60

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Freight Terms:
Special Comments:

Revision

Items

[illegible]



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041501

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
A049 SUPPLIER AWARENESS

Plex 11/6/18 4:45 PM dart.Lussier.Patrick

Packing List

Bill Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Shipment No: 24818
Shipment Date: 12-Mar-2019
Ship Via: Pick up at METEC
Order Number: 3140
Order Date: 10/29/18

Customer Code: DART
Phone: (613) 632-9577
PO Number: PO041501 R1
Terms: Net 60 Days

Quantity								
<u>Item</u>	<u>Open</u>	<u>Shipped</u>	<u>B/O</u>	<u>Canceled</u>	<u>Unit</u>	<u>Description</u>	<u>Revision</u>	<u>Job Number</u>
1	2	2	0	0	EA	DART-HT-500-CWAP Engine Wash Unit, dwg # HT-500-CWA Rev.10		3140-01

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.

Received In Good Order By

Page 1 of 1



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Dwg Rev.#	P.O. Number
2	DART-HT-500-CWAP	Engine Wash Unit	10	41501 R1

MATERIAL: supplied by METEC

DAS
68
9-89

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

George Theoret

Vankleek Hill, March 12, 2019

Entered:

Date:

HL Dec 30/19

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No.

19-7784

Route update only ☐

Job: <u>185927</u> Part No. <u>HT-500-CWA</u>		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒		DEPARTMENT/PROCESS Skid-tube ☐ Eng. (Non-AW) ☐ Machining ☐ Prod. Eng. Coord. ☐ Large Fab ☐ Rec/Store/Packaging ☐		Engineering ☐ Water Jet ☐ Supplier ☒ Quality ☐																													
Date: <u>MAR 15 2019</u>	Sequence #: <u>120 QCC6</u>	QTY Affected: <u>1</u>		MRB (QS1042) <u>MAR 16/19</u>		Completed By <u>PD 17-03-15</u>																													
Description Work Order Deviation - PART HAS AN EXCESS WELDMENT ON THE SHELL, NEAR LONG SEAM. SEE PHOTO. - HANDLE AND LEGS OF TANK HAVE BEEN CUT OFF.				Lead hand / Supervisor DAS 68 9-89 MAR 15 2019																															
				QC / QA Coordinator DAS 68 9-89 MAR 15 2019																															
Root Cause Operator ☒ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY <table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table>						Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong	Bending	Misaligned/off center	Folio/Program	Outside Tolerance	Crushing	BOM/Route	Grain Direction	Drawing	Cracks	Broken/Damage/Defect	Weld	Finish	Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing	Marks/Chatter	Drill Holes	Out of Sequence	Misread	Mislabeled	Fit/Function	Off-set/Set-up	
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Other/Details:																																			

